

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A self-contained Radio Frequency Identification (RFID) process controller ~~system~~ comprising:

an enclosure providing a housing for various components of an RFID process control system, the enclosure having at least one faceplate with an interface consisting of various input/output ports supporting communications with a plurality of industry standard compliant devices;

~~an interface supporting communications with a plurality of industry standard compliant devices;~~

an RFID controller contained within the enclosure for communicating RFID data over the interface, said RFID controller including at least one RFID reader for reading said RFID data from an RFID tagged item, the RFID controller including process control software for detecting the occurrence of a specified event represented by the RFID data;

~~process control software for detecting the occurrence of a specified event represented by the RFID data; and~~

at least one computer controlled switch contained within the enclosure and operably coupled to the RFID controller;

a power management subsystem contained within the enclosure for providing power to the RFID controller, the computer controlled switch and the process control software, said power

management subsystem capable of providing both DC and AC power, said power management subsystem including a battery charging circuit for delivering DC power, said power management subsystem coupled to one or more attached peripherals via the computer controlled switch for delivering either DC or AC power to said attached peripherals; and

~~an enclosure housing the interface, RFID controller, process control software and computer controlled switch;~~

wherein a specified RFID event can be determined from the RFID data received by the RFID controller via the interface as interpreted by the process control software and thereby cause the RFID controller to operate the computer controlled switch to control a desired process.

Claim 2 (withdrawn).

Claim 3 (original): The RFID process control system of claim 1 wherein communications between the RFID tagged item and the RFID controller over the interface are bidirectional.

Claim 4 (original): The RFID process control system of claim 3 wherein the RFID controller can write data to the RFID tagged item over the interface.

Claim 5 (previously presented): The RFID process control system of claim 1 wherein the interface is a wired interface providing a physical communications path between the RFID reader and the RFID tagged item.

Claim 6 (previously presented): The RFID process control system of claim 1 wherein the interface between the RFID reader and the RFID tagged item is wireless.

Claim 7 (original) The RFID process control system of claim 1 further comprising at least one peripheral coupled to said computer controlled switch.

Claim 8 (original) The RFID process control system of claim 7 wherein said peripheral comprises a light that is operated by the computer controlled switch in response to specified RFID data from a RFID tagged item being read by said RFID controller.

Claims 9-10 (withdrawn).

Claim 11 (previously presented): The RFID process control system of claim 1 wherein the power management subsystem can provide variable levels of both DC and AC power.

Claim 12 (previously presented): The RFID process control system of claim 1 wherein the power management subsystem further comprises a battery charging circuit.

Claim 13 (original) The RFID process control system of claim 1 wherein the RFID controller further comprises any one of several industry standard RFID readers.

Claim 14 (original) The RFID process control system of claim 13 wherein the RFID controller can sense the interface requirements of the specific industry standard RFID reader within the enclosure.

Claim 15 (original) The RFID process control system of claim 1 wherein said interface supports communications with a photo-sensor device.

Claim 16 (currently amended): A self-contained Radio Frequency Identification (RFID) process controller ~~system~~ comprising:

an enclosure providing a housing for various components of an RFID process control system, the enclosure having at least one faceplate with an interface supporting communications with a plurality of industry standard compliant devices including at least one RFID tagged item, said interface comprising at least one physical interface chosen from the group consisting of: a parallel port, a serial port, a universal serial bus, a PS-2 port;

~~an interface supporting communications with a plurality of industry standard compliant devices including at least one RFID tagged item, said interface comprising at least one physical interface chosen from the group consisting of: a parallel port, a serial port, a universal serial bus, a PS-2 port.;~~

an RFID controller contained within the enclosure for communicating RFID data with said RFID tagged item over the interface, the RFID controller including process control software for detecting the occurrence of a specified event represented by the RFID data;

~~process control software for detecting the occurrence of a specified event represented by the RFID data;~~

at least one computer controlled switch contained within the enclosure and operably coupled to the RFID controller; and

~~an enclosure housing the interface, RFID controller, process control software and computer controlled switch; and~~

a power management subsystem within the enclosure operably coupled to components requiring power, said power management subsystem capable of providing both DC and AC power, said power management subsystem including a battery charging circuit for delivering DC power, said power management subsystem coupled to one or more attached peripherals via the computer controlled switch for delivering either DC or AC power to said attached peripherals;

wherein a specified RFID event can be determined from the RFID data received by the RFID controller via the interface as interpreted by the process control software and thereby cause the RFID controller to operate the computer controlled switch to control a desired process.

Claim 17 (withdrawn).

Claims 18 - 20 (withdrawn).

Claim-21 (currently amended): The RFID process control system of claim 16 wherein the power management subsystem can provide variable levels of both DC and AC power.

Claim 22 (original): The RFID process control system of claim 16 wherein communications between the RFID tagged item and the RFID controller over the interface are bidirectional.

Claim 23 (original): The RFID process control system of claim 16 wherein the RFID controller can write data to the RFID tagged item over the interface.

Claim 24 (previously presented): The RFID process control system of claim 16 wherein the interface is a wired interface providing a physical communications path between the RFID reader and the RFID tagged item.

Claim 25 (previously presented): The RFID process control system of claim 16 wherein the interface between the RFID reader and the RFID tagged item is wireless.

Claim 26 (original): The RFID process control system of claim 16 further comprising at least one peripheral coupled to said computer controlled switch.

Claim 27 (previsouly presented): The RFID process control system of claim 16 further comprising an RFID antenna interspersed between the RFID tagged item and the RFID controller.

Claims 28-31 (withdrawn).